

User's Guide Specification

담당	관리자
Park SY 09.12.28	KANG KWANG SUK 09.12.28

1. Model Description

MODEL	LD/LE series	BRAND	LG	Part No.	MFL62882705 (1004-REV05)
SUFFIX	USA	Product Name	LD/LE series		

2. Printing Specification

1. Trim Size (Format) : 182mm x 257 mm
2. Printing Colors
 - Cover : 1 COLOR (BLACK)
 - Inside : 1 COLOR (BLACK)
3. Stock (Paper)
 - Cover : Coated paper , S/White 150 g/m²
 - Inside : Uncoated paper , 백상지 60 g/m²
4. Printing Method : Off set
5. Bindery : Saddle stitch
6. Language : English/Korean (2)
7. Number of pages : 40

NOTES

“This part contain Eco-hazardous substances (Pb, Cd, Hg, Cr6+, PBB, PBDE, etc.) within LG standard level, Details should be followed Eco-SCM management standard[LG(56)-A-2524]. Especially, Part should be followed and controlled the following specification.
 (1)Eco-hazardous substances test report should be submitted when Part certification test and First Mass Production.
 (2) Especially, Don't use or contain lead(Pb) and cadmium(Cd) in ink.

3. Special Instructions

(1) Origin Notification

- | | | | |
|-----------------------------|--------------------------------|---------------------------------|-------------------------------|
| * LGEMX : Printed in Mexico | * LGENT : Printed in China | * LGEMA : Printed in Poland | * LGETH : Printed in Thailand |
| * LGERM : Printed in Mexico | * LGENP : Printed in China | * LGewa : Printed in U.K. | * LGEVN : Printed in Vietnam |
| * LGEAZ : Printed in Brazil | * LGEIL : Printed in India | * LGEEG : Printed in Egypt | |
| * LGESP : Printed in Brazil | * LGEDI : Printed in Indonesia | * LGERA : Printed in Russia | |
| * LGESY : Printed in China | * LGEIN : Printed in Indonesia | * LGEAK : Printed in Kazakhstan | |

4. Changes

9				
8				
7				
6				
5	Apr./22/10	Park sun young	S0-86634	Deleted 3D glasses for LX6500 and deleted Korean manual.
4	Apr./12/10	Park sun young	S0-85071	1.Added RS-232C function, 2.Deleted EPA logo for 32LE54, 3.Added LX6500-U
3	Feb./28/10	Park sun young	S0-79084	Added some sentence related S/W notice.
2	Jan./28/10	Park sun young	S0-75392	Applied PQ test results of PK750-U.
1	Jan./15/10	Park sun young	S0-73516	Applied PQ test results.
REV. NO.	MM/DD/YY	SIGNATURE	CHANGE NO.	CHANGE CONTENTS

Pagination sheet

P/NO. [MFL62882705](#)
Total pages : 40 pages

Front cover

LG(EN)
P/NO.

2	...

...	...

(KO)	(KO)
36	37

Rear cover

Blank page	Blank page
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The model and serial number of the TV is located on the back and one side of the TV.

Record it below should you ever need service.

MODEL _____

SERIAL _____

The extended owner's manuals that contain information on the advanced features of this LG TV are located on the CD-ROM provided in an electronic version.

To read these files, you will need to use the personal computer (PC) equipped with a CD-ROM drive.

LG Customer Information Center

For inquires or comments, visit www.lg.com or call;

1-800-243-0000 USA, Consumer

1-888-865-3026 USA, Commercial

1-888-542-2623 CANADA

Register your product Online!

www.lg.com

(For 42/47/55LE5400, 42/47/55LE5500, 42/47/55LE7500, 47/55LE8500, 42/47/55LX6500)



This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting. Changing the factory default settings or enabling other features may increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR.

OWNER'S MANUAL LED LCD TV / LCD TV PLASMA TV

Please read this manual carefully before operating your set and retain it for future reference.

LCD TV MODELS

32LD550 47LD650
42LD550 55LD650
46LD550
52LD550
60LD550

LED LCD TV MODELS

32LE5400 42LE5500 47LE8500
42LE5400 47LE5500 55LE8500
47LE5400 55LE5500 42LX6500
55LE5400 42LE7500 47LX6500
47LE7500 55LX6500
55LE7500

PLASMA TV MODELS

50PK750
60PK750

P/NO : MFL62882705 (1004-REV05)

www.lg.com

WARNING / CAUTION



WARNING / CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING/CAUTION

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

WARNING / CAUTION

To prevent fire or shock hazards, do not expose this product to rain or moisture.

FCC Notice

Class B digital device

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause (harmful) interference, and (2) this device must accept any interference received, including interference that may cause undesired operation (of the device).

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

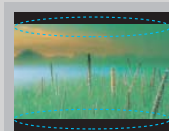
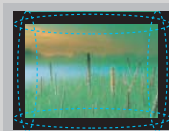
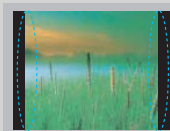
CAUTION

Do not attempt to modify this product in any way without written authorization from LG Electronics. Unauthorized modification could void the user's authority to operate this product.



IMPORTANT INFORMATION TO PREVENT "IMAGE BURN / BURN-IN" ON YOUR TV SCREEN

- When a fixed image (e.g. logos, screen menus, video game, and computer display) is displayed on the TV for an extended period, it can become permanently imprinted on the screen. This phenomenon is known as "image burn" or "burn-in." Image burn is not covered under the manufacturer's warranty.
- In order to prevent image burn, avoid displaying a fixed image on your TV screen for a prolonged period (2 or more hours for LCD, 1 or more hours for Plasma).
- Image burn can also occur on the letterboxed areas of your TV if you use the 4:3 aspect ratio setting for an extended period.



SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.

- 1** Do not use this apparatus near water.



- 2** Clean only with dry cloth.



- 3** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



- 4** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



- 5** Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



- 6** Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



- 7** Only use attachments/accessories specified by the manufacturer.



- 8** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 9** Unplug this apparatus during lightning storms or when unused for long periods of time.



- 10** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



SAFETY INSTRUCTIONS

- 11 Never touch this apparatus or antenna during a thunder or lightning storm.
- 12 When mounting a TV on the wall, make sure not to install the TV by the hanging power and signal cables on the back of the TV.
- 13 Do not allow an impact shock or any objects to fall into the product, and do not drop onto the screen with something.

- 14 **CAUTION** concerning the Power Cord:
It is recommend that appliances be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.

Do not connect too many appliances to the same AC power outlet as this could result in fire or electric shock.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

Do not use a damaged or loose power cord. Do not pull on the power cord to unplug the TV. Grasp the plug when unplugging the power cord.



- 15 **WARNING** - To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the TV with wet hands. Do not install this product near flammable objects such as gasoline or candles or expose the TV to direct air conditioning.



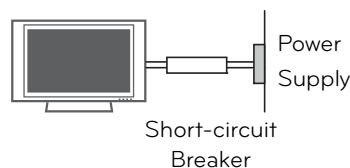
- 16 Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g. on shelves above the unit).



17 **GROUNDING**

Ensure that you connect the earth ground wire to prevent possible electric shock (i.e. a TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet). If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.



18 **DISCONNECTING DEVICE FROM MAINS**

Mains plug is the disconnecting device. The plug must remain readily operable.

- 19 As long as this unit is connected to the AC wall outlet, it is not disconnected from AC power even if you turn off the power switch on the unit.

20 ANTENNAS

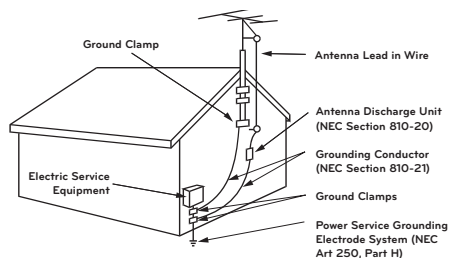
Outdoor antenna grounding

If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

Antenna grounding according to the National Electrical Code, ANSI/NFPA 70



NEC: National Electrical Code

21 Cleaning

When cleaning, unplug the power cord and rub gently with a soft cloth to prevent scratching. Do not spray water or other liquids directly on the TV as electric shock may occur. Do not clean with chemicals such as alcohol, thinners or benzene.

22 Moving

Make sure the product is turned off, unplugged and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press against or put stress on the front panel of the TV.

23 Ventilation

Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase. Do not cover the product with cloth or other materials (e.g.) plastic while plugged in. Do not install in excessively dusty places.

24 Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot.

25 If you smell smoke or other odors coming from the TV or hear strange sounds, unplug the power cord contact an authorized service center.

26 Do not press strongly upon the panel with hand or sharp object such as nail, pencil or pen, or make a scratch on it.



27 Keep the product away from direct sunlight.

28 For LED LCD TV/LCD TV

If the TV feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with TV.

Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.

Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

ON DISPOSAL

(Only Hg lamp used LCD TV)

The fluorescent lamp used in this product contains a small amount of mercury. Do not dispose of this product with general household waste. Disposal of this product must be carried out in accordance to the regulations of your local authority.

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APPENDIX

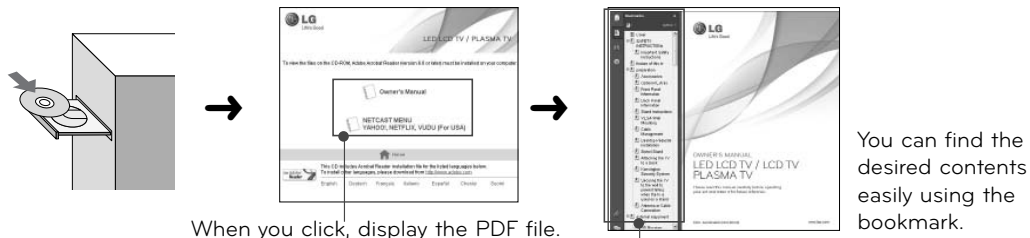
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HOW TO USE THE OWNER'S MANUAL ON THE CD-ROM

To view the Owner's Manual on the CD-ROM, Adobe Acrobat Reader must be installed on your PC. The "ACRORD" folder on the CD-ROM contains the installation programs for them. If you want to install those programs, Open the "My Computer" → Open the "LG" → Open the "ACRORD" → double-click your language.

TO VIEW THE OWNER'S MANUAL ON THE CD-ROM

The Owner's Manual files are included in the supplied CD-ROM. Load the supplied CD-ROM into the CD-ROM drive of your PC. After a while, the web page of the CD-ROM will open automatically. (for Window only)



NOTE ▶ If the web page does not appear automatically, open the Owner's Manual file directly.
Open the "My computer" → Open the "LG" → Open the "index.htm" file.

TO VIEW THE SIMPLE MANUAL

You can easily and effectively access the TV information by viewing a simple manual on the TV.



Select
Simple Manual.



Select the part of the manual you
want to see.

PREPARATION

ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

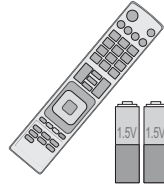
The accessories included may differ from the images below.



Owner's Manual

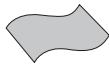


CD Manual,
Nero MediaHome 4
Essentials CD



Remote Control,
Batteries (AAA)

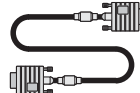
Not included with all models



Polishing Cloth

- * Wipe spots on the exterior only with the polishing cloth.
- * Do not wipe roughly when removing stains. Excessive pressure may cause scratches or discoloration.

Option Extras



D-sub 15 pin Cable

When using the VGA (D-sub 15 pin cable) PC connection, the user must use shielded signal interface cables with ferrite cores to maintain standards compliance.

Not included with all models



Ferrite Core
(Black)

Ferrite core can be used to reduce the electromagnetic waves that may interfere with the TV. Install the Ferrite core on the power cable close to the wall plug.



Close to the wall plug.



Ferrite Core
(White)

Ferrite core can be used to reduce the electromagnetic wave when connecting the LAN cable. Place the ferrite core far from TV and wind the LAN cable in the ferrite core once.



50/60PK750

(For 50PK750)



x 3

(M5 x 14)



x 4

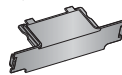
(M4 x 28)

Screws for stand assembly
(Refer to P.9)

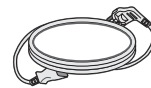


x 2

Cable Holder
(Refer to p.14)

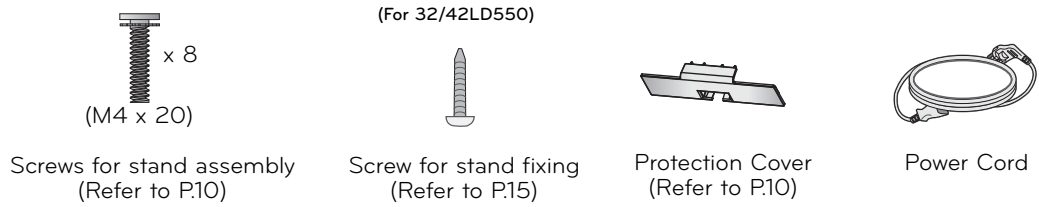


Protection Cover
(Refer to p.9)

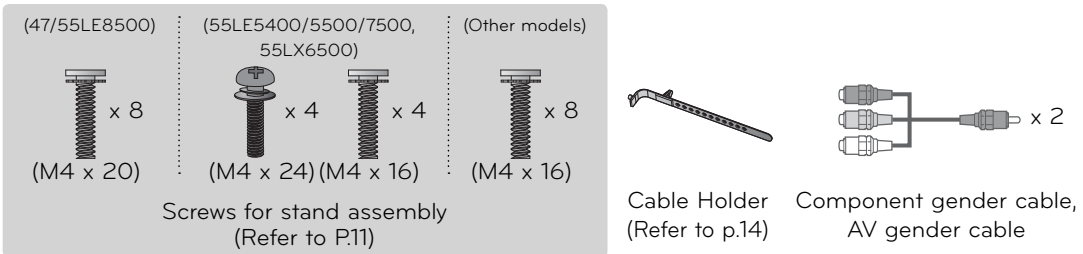


Power Cord

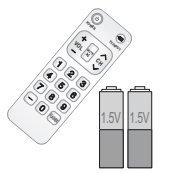
32/42/46/52/60LD550, 47/55LD650



32/42/47/55LE5400, 42/47/55LE5500, 42/47/55LE7500, 47/55LE8500, 42/47/55LX6500



(For 42/47/55LE7500,
47/55LE8500)



Simple Remote Control,
Batteries (AAA)

(For 32LE5400)

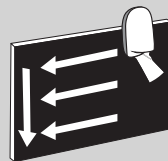


Screw for stand fixing
(Refer to P.15)

(For 42/47/55LE7500)



Cleansing Cloths
(mitt)



- * Wipe spots on the exterior only with the cleansing cloths.
- * Do not wipe roughly when removing stains. Excessive pressure may cause scratches or discoloration.
- * For cleaning front frame, please slowly wipe in one direction after spraying water 1-2 times on cleansing cloths. Please remove excessive moisture after cleaning. Excessive moisture may cause water stains on the frame.

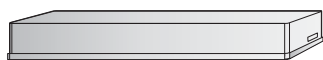
OPTIONAL EXTRAS

Optional extras can be changed or modified for quality improvement without any notification.

Contact your dealer for buying these items.

This device only works with compatible LG LED LCD TV, LCD TV, or Plasma TV.

(For 42/47/55LX6500)



Wireless Media Box
(AN-WL100W)



Wireless LAN for Broadband/
DLNA Adaptor
(AN-WF100)



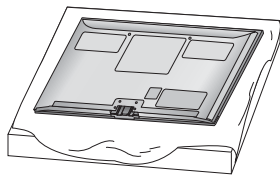
3D Glasses
(AG-S100)

STAND INSTRUCTIONS (For 50/60PK750)

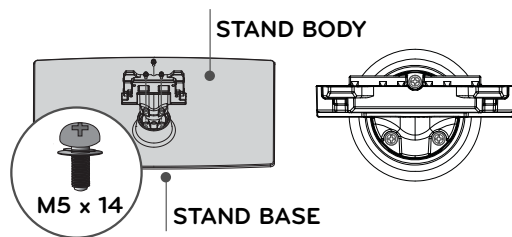
■ Image shown may differ from your TV.

INSTALLATION (For 50PK750)

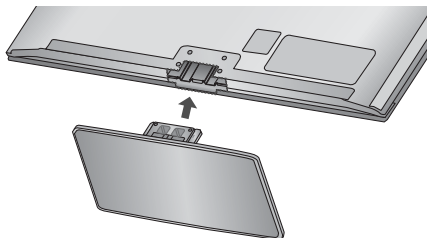
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



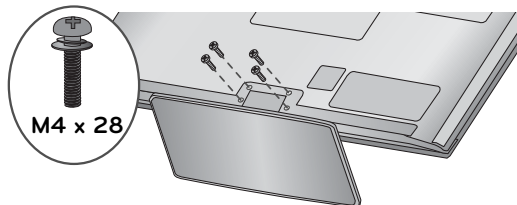
- 2 Assemble the parts of the **STAND BODY** with the **STAND BASE** of the TV.



- 3 Assemble the TV as shown.



- 4 Install the 4 screws into the holes shown.

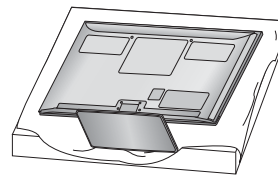


NOTE

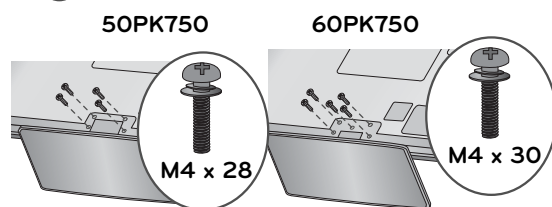
- ▶ When assembling the desk type stand, make sure the screws are fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.

DETACHMENT

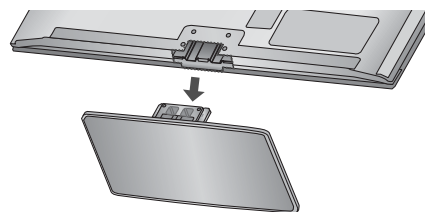
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



- 2 Remove the screws that hold the stand on.



- 3 Detach the stand from TV.

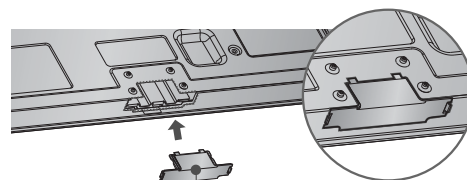


PROTECTION COVER

After removing the stand, install the included **PROTECTION COVER** over the hole for the stand.

Press the **PROTECTION COVER** into the TV until you hear it click.

When installing the wall mounting bracket, use the **PROTECTION COVER**.



PROTECTION COVER

Fix a guide to the outside.

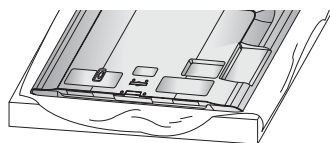
PREPARATION

STAND INSTRUCTIONS (For 32/42/46/52/60LD550, 47/55LD650)

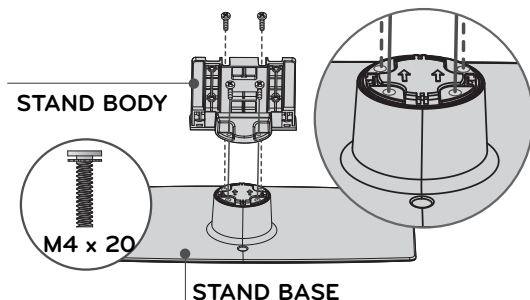
■ Image shown may differ from your TV.

INSTALLATION

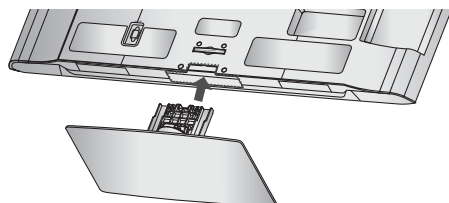
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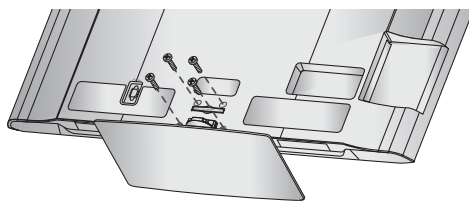
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- 3 Assemble the TV as shown.



- 4 Install the 4 screws into the holes shown.

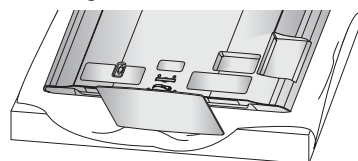


NOTE

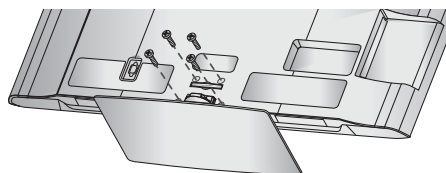
- ▶ When assembling the desk type stand, make sure the screws are fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.

DETACHMENT

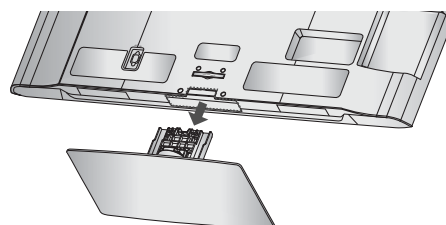
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



- 2 Remove the screws that hold the stand on.



- 3 Detach the stand from TV.

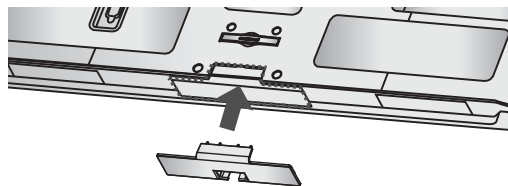


PROTECTION COVER

After removing the stand, install the included **PROTECTION COVER** over the hole for the stand.

Press the **PROTECTION COVER** into the TV until you hear it click.

When installing the wall mounting bracket, use the **PROTECTION COVER**.



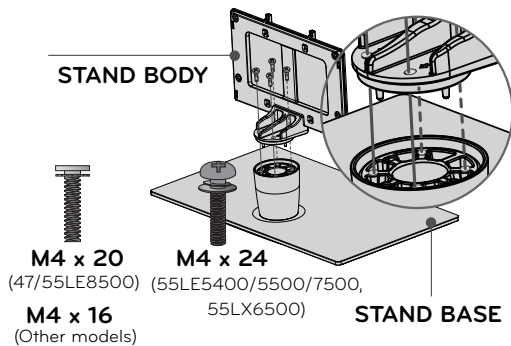
STAND INSTRUCTIONS

(For 32/42/47/55LE5400, 42/47/55LE5500, 42/47/55LE7500, 47/55LE8500, 42/47/55LX6500)

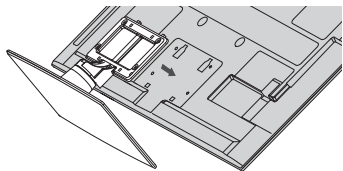
■ Image shown may differ from your TV.

INSTALLATION

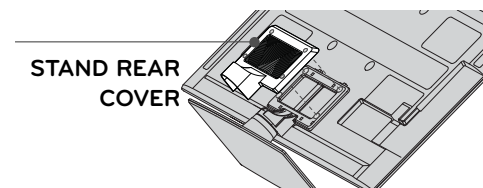
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.
- 2 Assemble the parts of the **STAND BODY** with the **STAND BASE** of the TV. At this time, tighten the screws that hold the **STAND BODY** on.



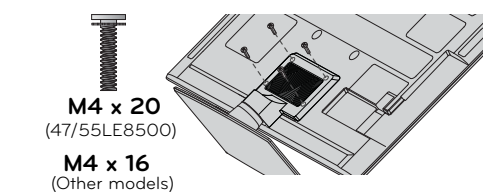
- 3 Assemble the TV as shown.



- 4 Assemble the part of the **STAND REAR COVER** with the TV.

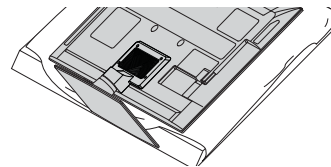


- 5 Install the 4 screws into the holes shown.

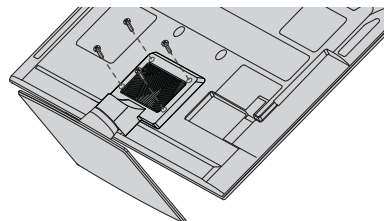


DETACHMENT

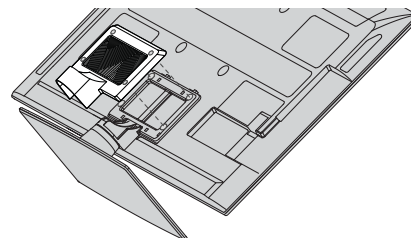
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



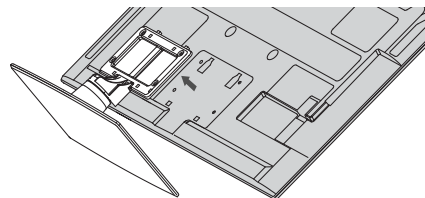
- 2 Remove the screws that hold the stand on.



- 3 Detach the **STAND REAR COVER** from TV.



- 4 Detach the stand from TV.



NOTE

- ▶ When assembling the desk type stand, make sure the screws are fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.

PREPARATION


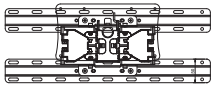
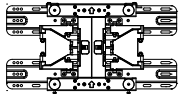
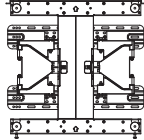
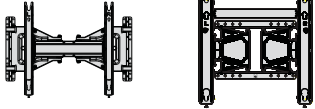
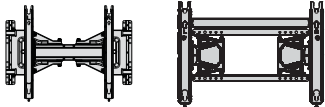
VESA WALL MOUNTING

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest installer.

If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

We recommend that you use an LG brand wall mount when mounting the TV to a wall.

LG recommends that wall mounting be performed by a qualified professional installer.

Model	VESA (A * B) 	Standard Screw	Quantity	Wall Mounting Bracket (sold separately)
32LD550, 32LE5400	200 * 100	M4	4	LSW100B, LSW100BG 
42/46LD550, 47LD650, 42/47LE5400, 42/47LE5500, 42/47LE7500, 47LE8500, 42/47LX6500	200 * 200	M6	4	LSW200B, LSW200BG 
52LD550, 55LD650, 55LE5400, 55LE5500, 55LE7500, 55LE8500, 60LD550, 55LX6500	400 * 400	M6	4	LSW400B, LSW400BG 
50PK750	400 * 400	M6	4	AW-50PG60M AW-50PG60MS 
60PK750	600 * 400	M8	4	AW-60PG60M AW-60PG60MS 

NOTE

- ▶ Screw length needed depends on the wall mount used. For further information, refer to the instructions included with the mount.
- ▶ Standard dimensions for wall mount kits are shown in the table.
- ▶ When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- ▶ Do not use screws longer than the standard dimension, as they may cause damage to the inside to the TV.
- ▶ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- ▶ Do not use screws that do not comply with the VESA standard screw specifications.
Do not use fasten the screws too strongly, this may damage the TV or cause the TV to a fall, leading to personal injury. LG is not liable for these kinds of accidents.
- ▶ LG is not liable for TV damage or personal injury when a non-VESA or non specified wall mount is used or the consumer fails to follow the TV installation instructions.

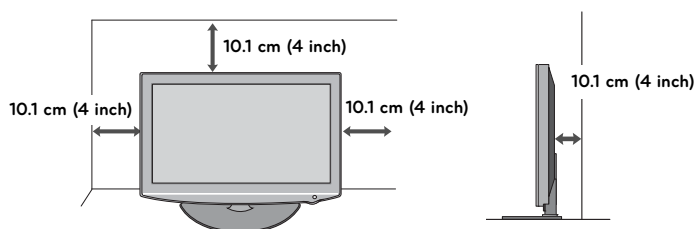
CAUTION

- ▶ Do not install your wall mount kit while your TV is turned on. It may result in personal injury due to electric shock.

DESKTOP PEDESTAL INSTALLATION

- Image shown may differ from your TV.

For proper ventilation, allow a clearance of 10.1 cm (4 inch) on all four sides from the wall.



CAUTION

- ▶ Ensure adequate ventilation by following the clearance recommendations.
- ▶ Do not mount near or above any type of heat source.

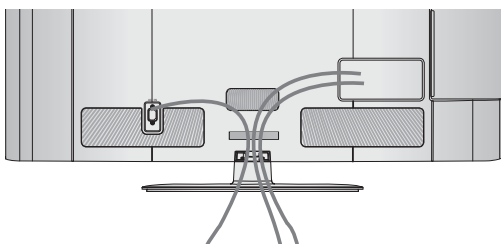
PREPARATION

CABLE MANAGEMENT

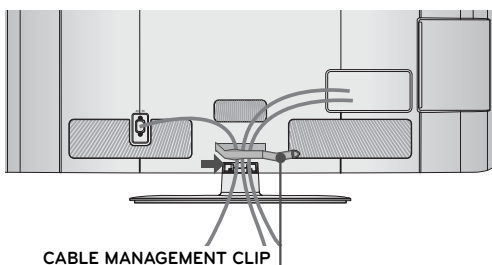
■ Image shown may differ from your TV.

32/42/46/52/60LD550, 47/55LD650

- 1 Connect the cables as necessary.
To connect additional equipment, see the **EXTERNAL EQUIPMENT SETUP** section.

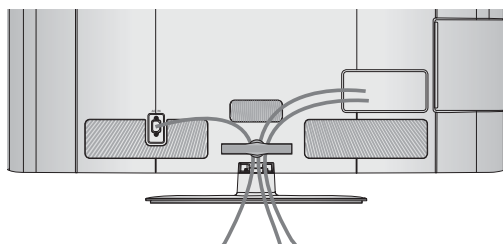


- 2 Open the **CABLE MANAGEMENT CLIP** as shown.



CABLE MANAGEMENT CLIP

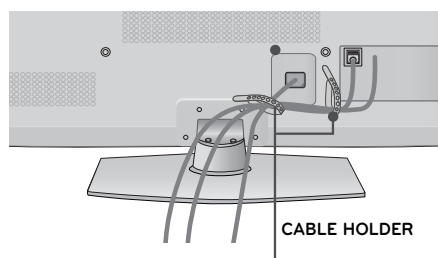
- 3 Put the cables inside the **CABLE MANAGEMENT CLIP** and snap it closed.



Plasma TV

- 1 After connecting the cables as necessary, install the **CABLE HOLDER** as shown and bundle the cables.

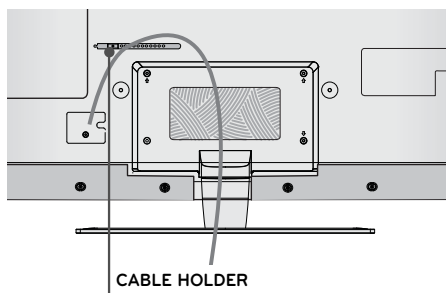
In case of the LAN cable, install as shown to reduce the electromagnetic wave.



CABLE HOLDER

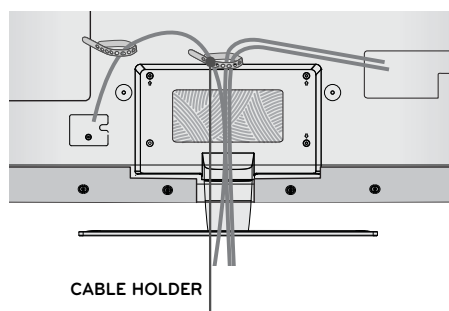
**32/42/47/55LE5400, 42/47/55LE5500,
42/47/55LE7500, 47/55LE8500,
42/47/55LX6500**

- 1 Secure the power cord with the **CABLE HOLDER** on the TV back cover. It will help prevent the power cable from being removed by accident.



CABLE HOLDER

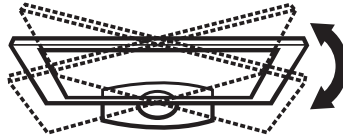
- 2 After connecting the cables as necessary, install the **CABLE HOLDER** as shown and bundle the cables.



CABLE HOLDER

SWIVEL STAND

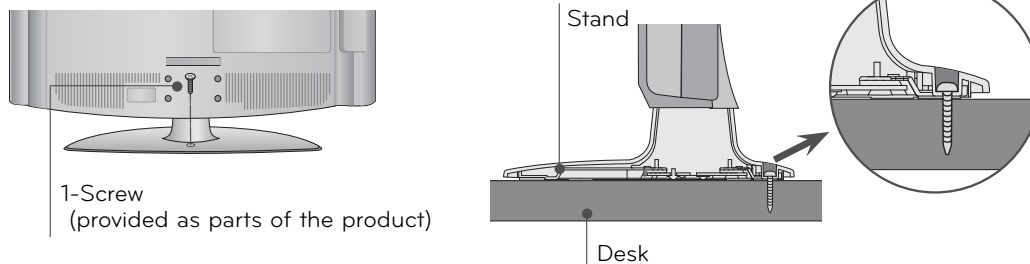
After installing the TV, you can adjust the TV set manually to the left or right direction by 20 ° to suit your viewing position.



ATTACHING THE TV TO A DESK (For 32/42LD550, 32LE5400)

■ Image shown may differ from your TV.

The TV must be attached to a desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product.



⚠ WARNING

- ▶ To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.

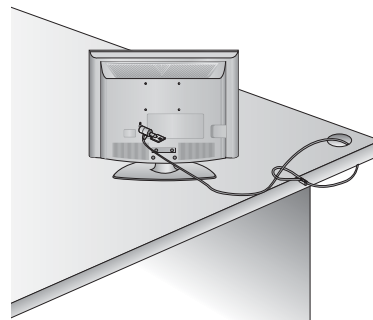
KENSINGTON SECURITY SYSTEM

■ This feature is not available for all models.

- The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.
- For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

For further information, contact <http://www.kensington.com>, the internet homepage of the Kensington company. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

NOTE: The Kensington Security System is an optional accessory.



EXTERNAL EQUIPMENT SETUP

CONNECTING YOUR TV

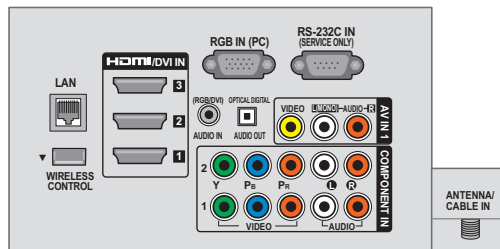
To connect an additional equipment, see the External Equipment Setup section in CD Manual.

Connection Order

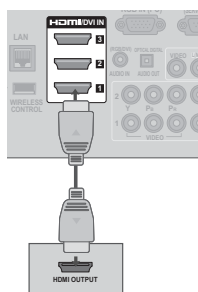
HDMI is the best way to connect a device. If it's not available, move down the list in order until you find a connection that's available on each device.

1 HDMI	3 Component
2 DVI	4 Composite

* Typical Layout

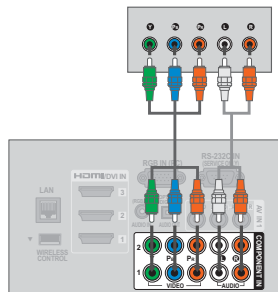


1 HDMI



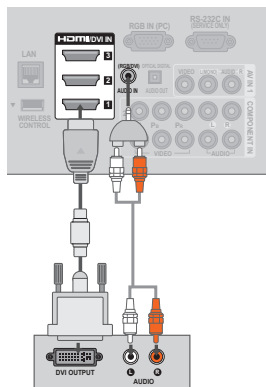
Use HDMI to connect external devices when available. If not available, use DVI or Component.

3 Component



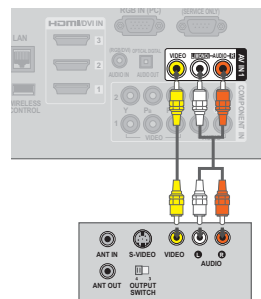
Make sure you don't mix up the colors.

2 DVI



Sorry, A phone Jack to stereo 0.32 cm (1/8") headphone plug adapter is not included. It is available from most stores that carry electronics.

4 Composite



Use Composite for the video connection if available. Match the jack colors.

You can use an adapter to connect DVI to HDMI, but you will only have 2 channel stereo for sound. The adapter is not needed when connecting a PC.

Antenna/Cable

Use this connection when you need to connect directly to an antenna or cable system instead of using a cable box.

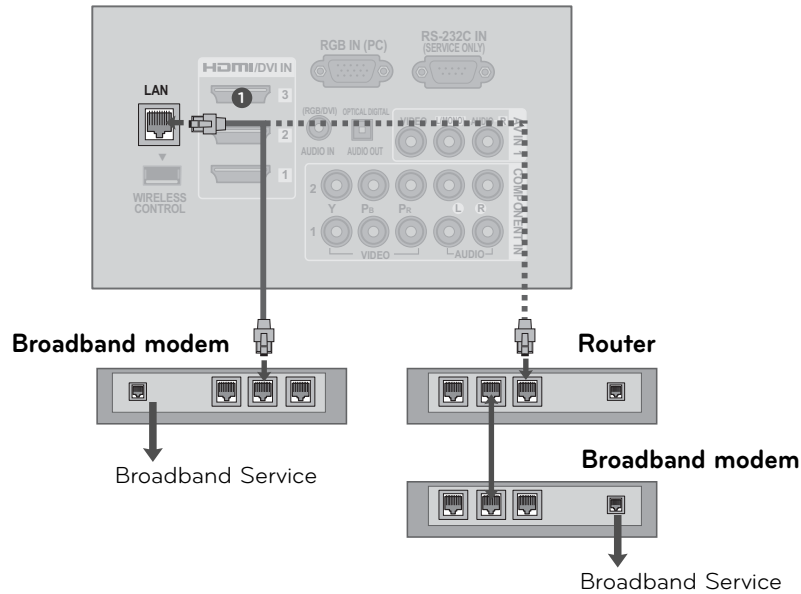
Be careful not to bend the copper wire.

NETWORK

NETWORK SETUP

Wired Network Connection

This TV can be connected to a local area network (LAN) via the LAN port. After making the physical connection, the TV needs to be set up for network communication.



1. How to connect

- 1 Connect the LAN port of the Modem or Router to the **LAN** port on the TV.

2. How to use

- Select "**Network Setting**" in the NETWORK menu.
- After connecting the **LAN** port, use the NETCAST menu.
- For more information about NETCAST setup and troubleshooting, visit our Knowledgebase at LGknowledgebase.com. Search for NetCast.

⚠ CAUTION

- ▶ Do not connect a modular phone cable to the LAN port.
- ▶ Since there are various connection methods, please follow the specifications of your telecommunication carrier or internet service provider.

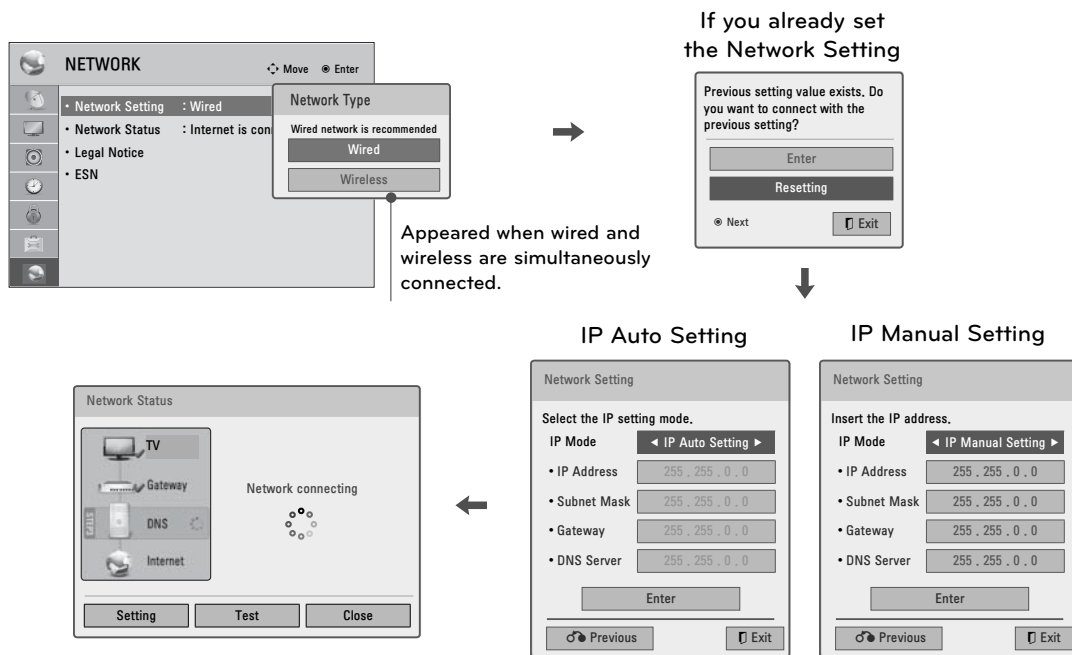
NETWORK

Wired Network Setup

If wired and wireless networks are both available, wired is the preferred method.

After making a physical connection, a small number of home networks may require the TV network settings to be adjusted.

For detail information, contact your internet provider or router manual.



- 1 Select **NETWORK**.
- 2 Select **Network Setting**.
- 3 Select **Wired**.
- 4 If you already set Network Setting: Select **Resetting**. The new connection settings resets the current network settings.
- 5 Select **IP Auto Setting** or **IP Manual Setting**.
 When Selecting **IP Manual Setting**: IP addresses will need to be input manually.
- 6 Select **Enter**.

- This feature requires an always-on broadband internet connection.
- You do not need to connect to a PC to use this function.
- If **Network Setting** is not working, check your network conditions. Check the LAN cable and make sure your router has DHCP turned on if you wish to use the Auto Setting.
- If the **Network Setting** is not completed, network may not operate normally.
- **IP Auto Setting**: Select it if there is a DHCP server on the local area network (LAN) via wired connection, the TV will automatically be allocated an IP address. If you're using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function. The IP address will automatically be determined.
- **IP Manual Setting**: Select it if there is no DHCP server on the network and you want to set the IP address manually.

NOTE

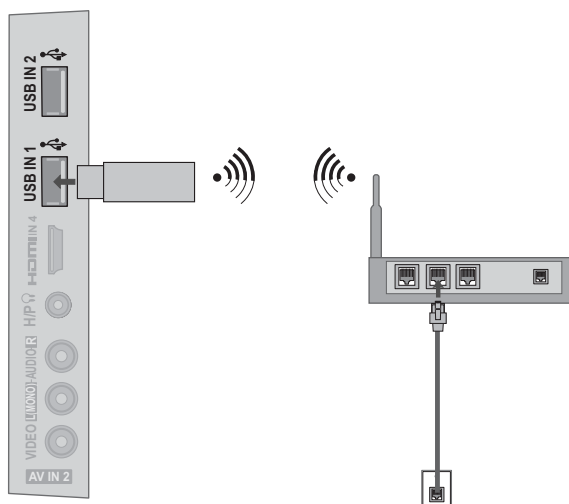
- ▶ For more information about NETCAST setup and troubleshooting, visit <http://lgknowledge-base.com>. Search for NETCAST.
- ▶ Use a standard LAN cable with this TV. Cat5 or better with a RJ45 connector.
- ▶ Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- ▶ Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- ▶ LG is not responsible for any malfunction of the TV and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- ▶ LG is not responsible for problems within your internet connection.
- ▶ Some content available through the network connection may not be compatible with the TV. If you have questions about such content, please contact the producer of the content.
- ▶ You may experience undesired results if the network connection speed does not meet the requirements of the content being accessed.
- ▶ Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- ▶ Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- ▶ A 10 Base-T or 100 Base-TX LAN port is required for connection to this TV. If your internet service does not allow for such a connection, you will not be able to connect the TV.
- ▶ A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this TV or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this TV may not be allowed to connect when a PC is already connected.)
- ▶ The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- ▶ The wireless network operates at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, Bluetooth® devices, microwave oven, and can be affected by interference from them. It can be interrupted by the device using 5Ghz radio frequencies. It is same device with LG wireless media box, cordless telephone, other Wi-Fi device.
- ▶ It may decrease the service speed using Wireless network by surrounding wireless condition.
- ▶ Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- ▶ In some instances, placing the access point or wireless router higher up away from the floor may improve the reception.
- ▶ The reception quality over wireless depends on many factors such as type of the access point, distance between the TV and access point, and the location of the TV.
- ▶ When connecting internet through the wired/wireless sharing machine, it may interrupt the connection because of the use limitation and confirmation of service company.
- ▶ To connect wireless AP, an AP that supports the wireless connection is necessary, and the wireless connection function of the AP needs to be activated. Please enquire to the AP supplier for the possibility of AP wireless connections.
- ▶ Please verify the security settings of AP SSID for wireless AP connection, and enquire to the AP supplier for the AP SSID security settings.
- ▶ The TV can become slower or malfunction with wrong settings of network equipments (wired/wireless router, hub, etc). Please install correctly by referring to the manual of the equipment, and set the network.
- ▶ When AP is set to include 802.11 n, and if Encryption is designated as WEP(64/128bit) or WPA(TKIP/AES), the connection may not be possible. There may be different connection methods according to the AP manufacturers.

NETWORK

Wireless Network

The LG Wireless LAN for Broadband/DLNA Adaptor, which is sold separately, allows the TV to connect to a wireless lan network.

The network configuration and connection method may vary depending on the equipment in use and the network environment. Refer to the setup instructions supplied with your access point or wireless router for detailed connection steps and network settings.



1. How to connect

- 1 Connect the "LG Wireless LAN for Broadband/DLNA Adaptor (sold separately)" to the **USB IN 1** or **2** port on the TV.

2. How to use

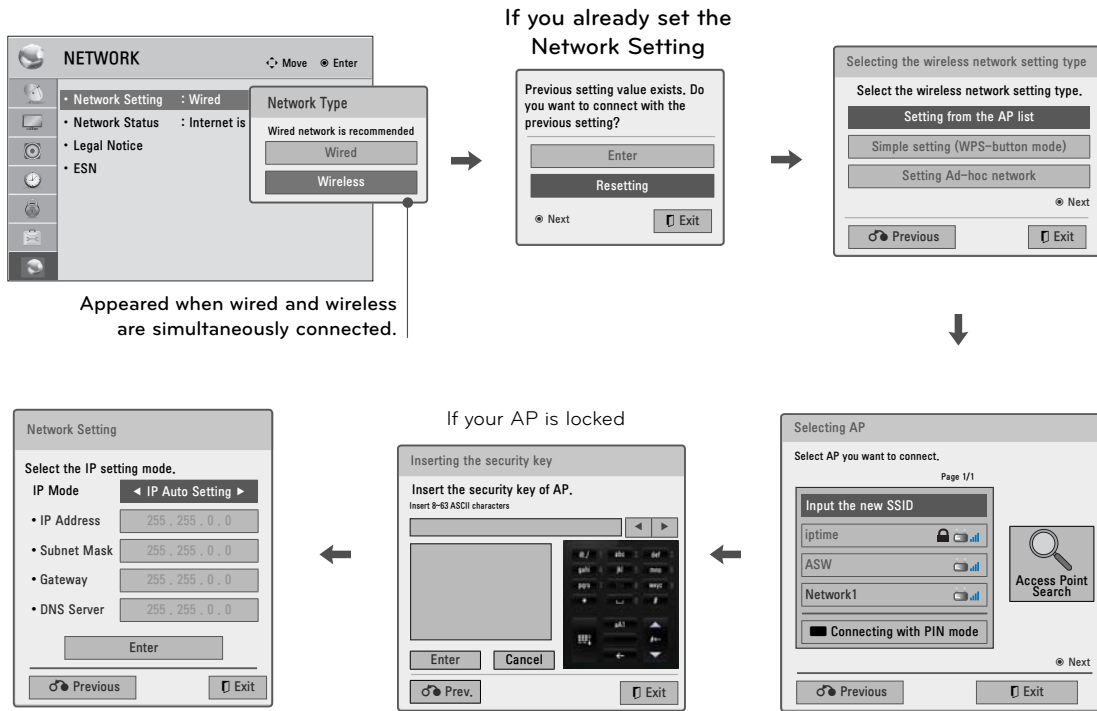
- Select "**Network Setting**" in the NETWORK menu.
- After connecting, you can use the NETCAST menu.

NOTE

- ▶ For enjoying pictures, music, or video stored in the PC using the router, the use of wired port in the router is recommended.
- ▶ When the wireless port of the router is used, there may be restrictions for some functions.

Wireless Network Setup

Setting up the AP (Access Point) or the wireless router is required before connecting the TV to the network.



1 Select **NETWORK**.

2 Select **Network Setting**.

3 Select **Wireless**.

4 If you already set Network Setting: Select **Resetting**.
The new connection settings resets the current network settings.

5 Select **Setting from the AP list**.

6 Scan the all available AP (Access Point) or wireless routers within range and display them as a list.

7 Select an AP (Access Point) or wireless router on the list.
(If your AP is locked, insert the security key of AP).

8 Input the security key of AP.

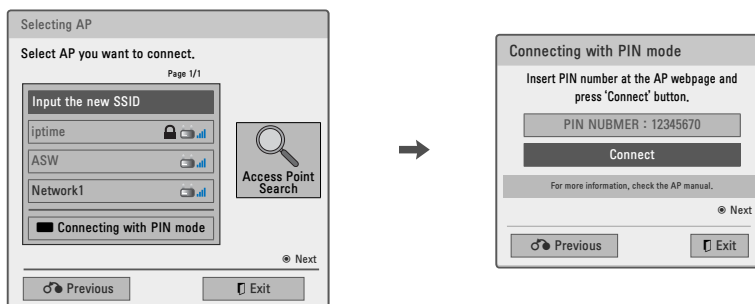
9 Repeat step 4-5 on P.18.

NETWORK

When a security code is already set

PIN (Personal Identification Number)

If you want to connect the AP (Access Point) or router with PIN, use this feature.



1 Repeat step 1-6 on P.21.

2 **RED** Connect the access point with **PIN** mode.

3 You can see the Network ID and Security Key on your TV screen.
Enter the PIN number to your device.

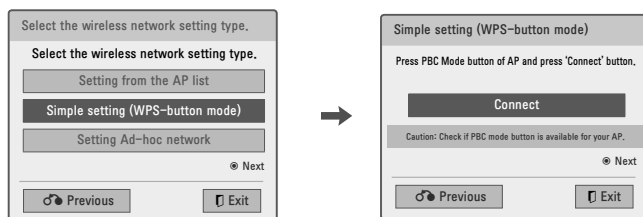
4 **ENTER** Select **Connect**.

5 Repeat step 4-5 on P.18.

■ PIN number is the unique 8 digit number of the dongle.

Simple setting (WPS-button mode)

If your access point or wireless router that supports PIN or WPS (Wi-Fi Protected Setup), it's available to use your access point or wireless router within 120 counts. You do not need to know the access point name (SSID: Service Set Identifier) and security code of your access point or wireless router.



1 Repeat step 1-4 on P.21.

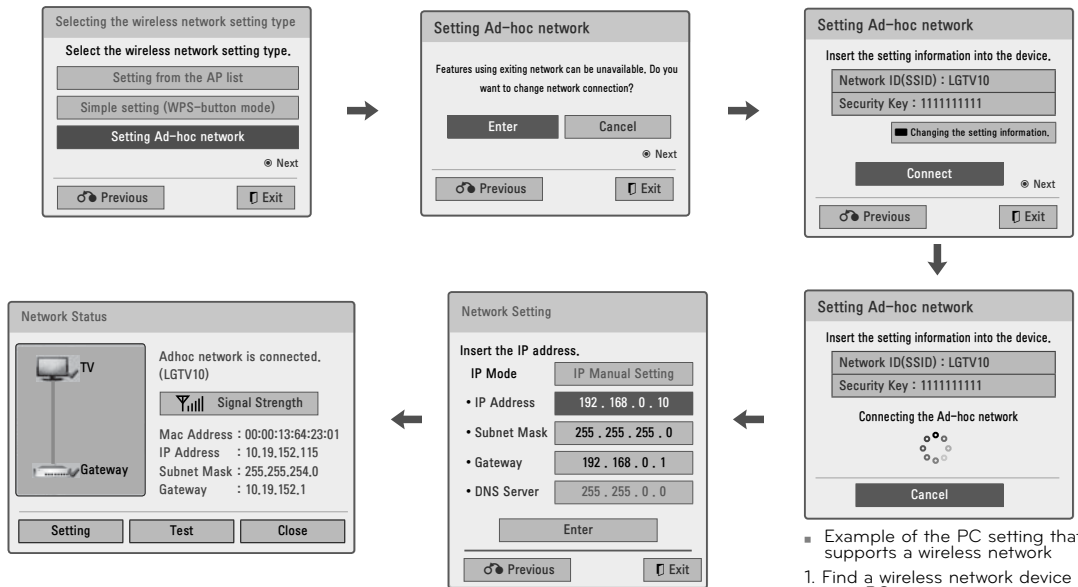
2 **ENTER** **ENTER** Select **Simple setting (PBC mode)**.

3 **ENTER** Select **Connect**.

4 Repeat step 4-5 on P.18.

AD-hoc Mode

This is the method of communicating directly with the machine to communicate without AP.
This is the same as connecting two PCs with a cross cable.




- PC Setting
Internet Protocol(TCP/IP) of PC needs to be set manually.
IP address, Subnet Mask, and default Gateway can be set with your own discretion.
i.e) IP address: 192.168.0.1 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.10
- TV Setting
Verify IP address and gateway of PC.
Input Gateway address of PC to IP Address, and IP Address of PC to Gateway, and select **Enter**.
i.e) IP address: 192.168.0.10 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.1

- Example of the PC setting that supports a wireless network
1. Find a wireless network device in your PC.
 2. Select LGTV10 that appears in the list. (Select the same name as the network ID that appears on your TV screen.)
 3. Type 1111111111 in the Inserting the security key dialog. (Type the security key that appears on your TV screen.)

1 Repeat step 1-3 on P.21.

2   Select **Setting AD-hoc network**.

3    Select **Enter**.

4  Select **Connect** to connect Ad-hoc network.
You can see the Network ID and Security Key on your TV screen.
Enter this Network ID and Security Key to your device.
If a network may not operate, change the setting information using the RED button.

5   Insert the IP address.

6   Network setting is completed. Select **Close**.

NETCAST

NETCAST MENU

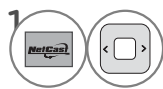
These services are provided by separate Content Provider.
NETCAST menu source can differ by country.

What is a NETCAST?

Stream movies, TV shows and video, and get up to the minute news, stock information and weather updates directly to your TV.



- To view the owner's manual that provided by the Content Provider, visit our website at <http://www.lg.com>.
- To see the activation method of Yahoo!, Netflix, or Vudu, click the **Yahoo!**, **Netflix**, **Vudu** in the CD manual (For USA).



Select **NETCAST** menu option.



Enjoy the online service.

■ **Yahoo!** (For USA)

Yahoo! TV Widgets give you the best of the Internet in perfect harmony with the simplicity and reliability of your TV. TVWidgets deliver a Cinematic internet™ experience by converting your favorite web services for viewing on the TV.

■ **Netflix** (For USA)

You can instantly watch movies (quite a few new releases) & TV episodes from Netflix streamed over the internet to your TV.

To become a Netflix member visit: www.netflix.com/LG

Note that this service is provided by the Content Provider, Netflix. It is dependent on Netflix to provide the data.

■ **Vudu** (For USA)

In order to make rental/purchase transactions on the Vudu service, a user must create an account on vudu.com.

That account is linked to a specific device, via a process called "activation". It is possible to have multiple devices associated with a single Vudu account.

Note that this service is provided by the Content Provider, Vudu. It is dependent on Vudu to provide the data.

■ **YouTube**

YouTube is a video sharing website where users can upload, view, and share video clips.

■ **Picasa**

Picasa is a photo organizing, editing or sharing website where users can upload, view, and share photos.

! NOTE

- ▶ The videos list searched from the TV may differ with the list searched from a web browser on PC.
- ▶ The settings of this TV do not affect the YouTube's playback quality.
- ▶ The playback of videos may be paused, stopped or buffering occurring often depending on your broadband speed.
- ▶ For service that requires log in, join the applicable service on the website using the PC and log in through the TV to enjoy various additional functionalities.
- ▶ When you set the city you want with Setup by pressing the red button, the background of NetCast will be set to the weather of the selected city.
- ▶ For Plasma TV: If there is no user action 2 minutes following freezing image or video on screen, the screensaver will activate itself preventing fixed image remaining on screen.

WATCHING TV

TURNING ON THE TV

- 1 First, connect power cord correctly. At this moment, the TV switches to standby mode.
 - In standby mode to turn TV on, press the **POWER** button on the TV or press the **POWER, INPUT, CH (^ or v)** button on the remote control.
- 2 Select the viewing source by using the **INPUT** button on the remote control.
- 3 When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

INITIAL SETTING

This Function guides the user to easily set the essential items for viewing the TV for the first time when purchasing the TV. It will be displayed on the screen when turning the TV on for the first time. It can also be activated from the user menus.

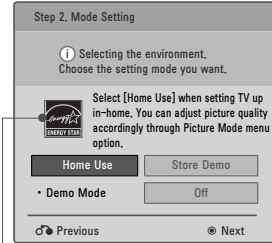
- Default selection is "**Home Use**". We recommend setting the TV to "**Home Use**" mode for the best picture in your home environment.
- "**Store Demo**" Mode is only intended for use in retail environments. Customers can adjust the "**Picture** menu - **Picture mode**" manually while inspecting the TV, but the TV will automatically return to preset in-store mode after 5 minutes.
- "**Store Demo**" Mode is an optimal setting for displaying at stores. "Store Demo" mode initializes the TV to set the image quality:

Step1. Selecting Language



- 1   Select Menu Language.

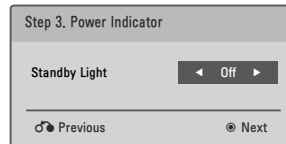
Step2. Mode setting



For 42/47/55LE5400, 42/47/55LE5500, 42/47/55LE7500, 47/55LE8500, 42/47/55LX6500

- 1   Select **Home Use**.

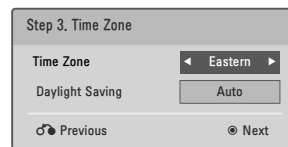
Step3. Power Indicator (For LED LCD TV)







- 1   Select **On** or **Off**.

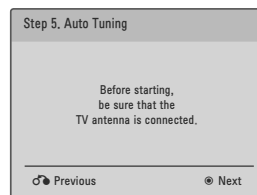
- This function is disable in "Step2. Mode Setting - Store Demo".


Step4. Time Zone



- 1  Select **Time Zone** option.
- 2    Select **Daylight Saving** option.

Step5. Auto Tuning



- 1  Check your antenna connection and start **Auto Tuning**.

WATCHING TV

ON SCREEN MENUS SELECTION

Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.

Some of these features are not available on all models. For further information, refer to the CD Manual.

CHANNEL

- Auto Tuning: All available TV channels are searched and stored automatically.
- Manual Tuning: User can do manual channel selection and add or delete individual channels.
- Channel Edit: You can add or delete in the channel list.

PICTURE

- Aspect Ratio: Selects the desired picture format.
- Picture Wizard: This feature lets you adjust the picture quality of the original image.
- Energy Saving: It reduces the TV's power consumption by lowering the backlight level.
- Picture Mode: Selects a picture mode that is best suited for the program you are currently watching.
- TruMotion: It provides clears, smoother images, even during fast action scenes creating a more stable structure for a crisper picture.
- Screen (RGB-PC): Adjust the screen Resolution, Auto config, Position, Size, Phase, Reset.
- LED Local Dimming: After analyzing the signal of the input video by areas of the screen, it adjusts the backlight to improve the contrast ratio.

AUDIO

- Auto Volume: Auto Volume makes sure that the volume level remains consistent whether you are watching a commercial or a regular TV program.
- Clear Voice II: By differentiating the human sound range from others, it helps users listen to human voices better.
- Balance: Adjust the left/right sound of speaker.
- Sound Mode: Select the sound mode to Standard, Music, Cinema, Sport, and Game.
- TV Speaker: Turn the TV speakers off if using external audio equipment.

TIME

- Clock: Set the current time Auto or Manual.
- Off Time: Set the time the TV will automatically be turned off.
- On Time: Set the time the TV will automatically be turned on.
- Sleep Timer: Select the amount of time before your TV turns off automatically.

LOCK

- Set Password: Change the password.
- Lock System: Select On or Off to use Lock System menu option.
- Downloadable Rating: This function is available only for digital channel signal.
- Input Block: Enables you to select a source to block from the external source devices you have hooked up.
- Key Lock: This feature can be used to prevent unauthorized viewing by locking out the front panel controls.

OPTION

- Language
 - Menu Language: The menus can be shown on the screen in the selected language.
 - Audio Language: Selects your desired language in the digital broadcasting.
- Caption: Selects and displays a caption. Captions are provided to help people with hearing loss watch TV.
- Power Indicator: Adjust the power/standby indicator light of TV front.
- ISM Method: Use it to minimize any fixed image on the screen.
- Set ID: Choose the desired TV ID number.
- Initial Setting: Reset the TV to factory default and erase all stored channels.
- Mode Setting: Select either Store Demo or Home Use.

NETWORK

- Network Setting: After making wired or wireless network connection, complete the network setting.
- Network Status: Check the network status.
- Legal Notice: Check the important notice relating to network services.
- ESN: We provide you the Netflix ESN (Electronic Serial Number) that allows you to watch videos using the Netflix website.

INPUT

- Select desired input sources.

MY MEDIA

- Movie List: Play movies.
- Photo List: View photos.
- Music List: Play songs.

GAME

- Allows you to enjoy the games installed on the TV.

3D VIDEO (For 42/47/55LX6500)

- This TV can display 3D video when received from a compatible device. 3D video contains two pictures for each video frame formatted for each eye. Therefore, special 3D glasses are required to view 3D video.

APPENDIX

TROUBLESHOOTING

Abnormal Operation	
The remote control doesn't work	<ul style="list-style-type: none"> ■ Check to see if there is any object between the product and the remote control causing obstruction. Ensure you are pointing the remote control directly at the TV. ■ Ensure that the batteries are installed with correct polarity (+ to +, - to -). ■ Ensure that the correct remote operating mode is set: TV, VCR etc. ■ Install new batteries. *This feature is not available for all models.
TV turns off suddenly	<ul style="list-style-type: none"> ■ Is the sleep timer set? ■ Check the power control settings. Power interrupted. ■ If there is no signal, the TV turns off automatically in 15 minutes.

Video Problems	
No picture & No sound	<ul style="list-style-type: none"> ■ Check whether the product is turned on. ■ Try another channel. The problem may be with the broadcast. ■ Is the power cord inserted into wall power outlet? ■ Check your antenna direction and/or location. ■ Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in.
Picture appears slowly after switching on	<ul style="list-style-type: none"> ■ This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture	<ul style="list-style-type: none"> ■ Adjust Color in menu option. ■ Keep a sufficient distance between the product and the VCR. ■ Try another channel. The problem may be with the broadcast. ■ Are the video cables installed properly? ■ Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	<ul style="list-style-type: none"> ■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	<ul style="list-style-type: none"> ■ Station or cable product experiencing problems, tune to another station. ■ Station signal is weak, reorient antenna to receive weaker station. ■ Check for sources of possible interference.
Lines or streaks in pictures	<ul style="list-style-type: none"> ■ Check antenna (Change the direction of the antenna).
No picture when connecting HDMI	<ul style="list-style-type: none"> ■ If an HDMI cable doesn't support High Speed HDMI, it can cause flickers or no screen display. In this case use the latest cables that support High Speed HDMI.

APPENDIX

Audio Problems	
No output from one of the speakers	<ul style="list-style-type: none"> Adjust Balance in menu option.
Unusual sound from inside the product	<ul style="list-style-type: none"> A change in ambient humidity or temperature may result in an unusual noise when the product is turned on or off and does not indicate a fault with the product.
No sound when connecting HDMI/USB	<ul style="list-style-type: none"> Check High Speed HDMI cable. Check USB cable over version 2.0. Use normal MP3 file. <small>*This feature is not available for all models.</small>

PC Mode Problems	
The signal is out of range	<ul style="list-style-type: none"> Adjust resolution, horizontal frequency, or vertical frequency on the PC. Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	<ul style="list-style-type: none"> Activate the Auto configure feature or adjust size, phase, or H/V position. (Option)
Screen color is unstable or single color	<ul style="list-style-type: none"> Check the signal cable. Reinstall the PC video card.
When connecting the HDMI cable to the PC, there is no audio.	<ul style="list-style-type: none"> Check the manual for the video card in the PC to see if it supports HDMI audio and how to set it up properly.

Movie List Problems	
The file does not appear on the Movie List.	<ul style="list-style-type: none"> ■ Check whether the file extension is supported.
Message is displayed saying "This file is invalid" or the audio is working normally but the video is not working normally.	<ul style="list-style-type: none"> ■ Check whether the file is playing normally on a PC. (Check whether the file is damaged.) ■ Check whether the resolution is supported. ■ Check whether the video/audio codec is supported. ■ Check whether the frame rate is supported.
Message is displayed saying "Unsupported Audio" or the video is working normally but the audio is not working normally.	<ul style="list-style-type: none"> ■ Check whether the file is playing normally on a PC. (Check whether the file is damaged.) ■ Check whether the audio codec is supported. ■ Check whether the bit rate is supported. ■ Check whether the sample rate is supported.
Subtitle is not working.	<ul style="list-style-type: none"> ■ Check whether the file is playing normally on a PC. (Check whether the file is damaged.) ■ Check whether the video file and subtitle file name are the same. ■ Check whether the video file and subtitle file are located in the same folder. ■ Check whether the subtitle file is supported. ■ Check whether the language is supported. (When you open the subtitle file on a PC, you can check the language of the subtitle file.)

APPENDIX

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you can enjoy your new TV.

Caution: Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

- 1 Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2 Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Please be sure not to use a wet cloth.

Extended Absence

⚠ CAUTION

- ▶ If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

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MPL LIBRARIES:

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- ▶ libxslt: copyright © 2001-2002 Daniel Veillard
- ▶ lua interpreter: copyright © 1994-2008 Lua.org, PUC-Rio
- ▶ md5: copyright © 1991-2, RSA Data Security, Inc
- ▶ openssl:
 - cryptographic software written by Eric Young.
 - software written by Tim Hudson.
 - software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org>)

APPENDIX

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PRODUCT SPECIFICATIONS

MODELS		32LD550 (32LD550-UB)	42LD550 (42LD550-UB)
Dimensions (Width x Height x Depth)	With stand	800.0 mm x 563.0 mm x 207.0 mm (31.5 inch x 22.1 inch x 8.1 inch)	1024.0 mm x 695.0 mm x 261.0 mm (40.3 inch x 27.3 inch x 10.2 inch)
	Without stand	800.0 mm x 503.0 mm x 74.7 mm (31.5 inch x 19.8 inch x 2.9 inch)	1024.0 mm x 632.0 mm x 78.7 mm (40.3 inch x 24.8 inch x 3.0 inch)
Weight	With stand	10.2 kg (22.4 lbs)	15.4 kg (33.9 lbs)
	Without stand	9.2 kg (20.2 lbs)	13.8 kg (30.4 lbs)

MODELS		46LD550 (46LD550-UB)	52LD550 (52LD550-UB)
Dimensions (Width x Height x Depth)	With stand	1115.0 mm x 752.0 mm x 270.0 mm (43.8 inch x 29.6 inch x 10.6 inch)	1266.0 mm x 851.0 mm x 330.0 mm (49.8 inch x 33.5 inch x 12.9 inch)
	Without stand	1115.0 mm x 680.0 mm x 77.0 mm (43.8 inch x 26.7 inch x 3.0 inch)	1266.0 mm x 775.0 mm x 96.4 mm (49.8 inch x 30.5 inch x 3.7 inch)
Weight	With stand	18.6 kg (41.0 lbs)	26.9 kg (59.3 lbs)
	Without stand	16.6 kg (36.5 lbs)	23.6 kg (52.0 lbs)

MODELS		60LD550 (60LD550-UB)
Dimensions (Width x Height x Depth)	With stand	1441.0 mm x 963.0 mm x 345.0 mm (56.7 inch x 37.9 inch x 13.5 inch)
	Without stand	1441.0 mm x 877.0 mm x 109.0 mm (56.7 inch x 34.5 inch x 4.2 inch)
Weight	With stand	40.0 kg (88.1 lbs)
	Without stand	35.7 kg (78.7 lbs)

Power requirement	AC 100-240 V ~ 50 / 60 Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		47LD650 (47LD650-UA)	55LD650 (55LD650-UA)
Dimensions (Width x Height x Depth)	With stand	1137.0 mm x 758.0 x 270.0 mm (44.7 inch x 29.8 inch x 10.6 inch)	1329.0 mm x 872.0 mm x 330.0 mm (52.3 inch x 34.3 inch x 12.9 inch)
	Without stand	1137.0 mm x 685.0 mm x 76.8 mm (44.7 inch x 26.9 inch x 3.0 inch)	1329.0 mm x 796.0 mm x 96.5 mm (52.3 inch x 31.3 inch x 3.7 inch)
Weight	With stand	20.3 kg (44.7 lbs)	33.0 kg (72.7 lbs)
	Without stand	18.3 kg (40.3 lbs)	28.8 kg (63.4 lbs)

Power requirement	AC 100-240 V ~ 50 / 60 Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		50PK750 (50PK750-UA, 50PK750-UF)	60PK750 (60PK750-UA, 60PK750-UF)
Dimensions (Width x Height x Depth)	With stand	1184.0 mm X 801.0 mm X 309.7 mm (46.6 inch x 31.5 inch x 12.1 inch)	1402.8 mm X 935.3 mm X 383.9mm (55.2 inch x 36.8 inch x 15.1 inch)
	Without stand	1184.0 mm X 738.5 mm X 52.4 mm (46.6 inch x 29.0 inch x 2.0 inch)	1402.8 mm X 866.8 mm X 52.4mm (55.2 inch x 34.1 inch x 2.0 inch)
Weight	With stand	32.3 kg (71.2 lbs)	47.2 kg (104.0 lbs)
	Without stand	29.9 kg (65.9 lbs)	42.7 kg (94.1 lbs)

Power requirement	AC 100-240 V ~ 50 / 60 Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

- The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		32LE5400 (32LE5400-UC)	42LE5400 (42LE5400-UC) 42LE5500 (42LE5500-UA) 42LX6500 (42LX6500-UB)
Dimensions (Width x Height x Depth)	With stand	784.6 mm x 558.1 mm x 221.0 mm (30.8 inch x 21.9 inch x 8.7 inch)	1016.0 mm x 692.0 mm x 270.0 mm (40.0 inch x 27.2 inch x 10.6 inch)
	Without stand	784.6 mm x 499.5 mm x 39.9 mm (30.8 inch x 19.6 inch x 1.5 inch)	1016.0 mm x 630.0 mm x 29.3 mm (40.0 inch x 24.8 inch x 1.1 inch)
Weight	With stand	12.6 kg (27.7 lbs)	19.5 kg (42.9 lbs)
	Without stand	10.5 kg (23.1 lbs)	16.7 kg (36.8 lbs)

MODELS		47LE5400 (47LE5400-UC) 47LE5500 (47LE5500-UA) 47LX6500 (47LX6500-UB)	55LE5400 (55LE5400-UC) 55LE5500 (55LE5500-UA) 55LX6500 (55LX6500-UB)
Dimensions (Width x Height x Depth)	With stand	1126.6 mm x 757.9 mm x 284.4 mm (44.3 inch x 29.8 inch x 11.1 inch)	1306.0 mm x 867.0 mm x 345.0 mm (51.4 inch x 34.1 inch x 13.5 inch)
	Without stand	1126.6 mm x 692.0 mm x 29.3 mm (44.3 inch x 27.2 inch x 1.1 inch)	1306.0 mm x 797.0 mm x 29.3 mm (51.4 inch x 31.3 inch x 1.1 inch)
Weight	With stand	22.9 kg (50.4 lbs)	34.5 kg (76.0 lbs)
	Without stand	19.6 kg (43.2 lbs)	28.8 kg (63.4 lbs)

Power requirement	AC 120 V ~ 50 / 60 Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

- The specifications shown above may be changed without prior notice for quality improvement.

MODELS		42LE7500 (42LE7500-UC)	47LE7500 (47LE7500-UC)
Dimensions (Width x Height x Depth)	With stand	1018.2 mm x 693.5 mm x 269.8 mm (40.0 inch x 27.3 inch x 10.6 inch)	1128.6 mm x 758.9 mm x 284.4 mm (44.4 inch x 29.8 inch x 11.1 inch)
	Without stand	1018.2 mm x 630.7 mm x 29.3 mm (40.0 inch x 24.8 inch x 1.1 inch)	1128.6 mm x 693.3 mm x 29.8 mm (44.4 inch x 27.2 inch x 1.1 inch)
Weight	With stand	21.9 kg (48.2 lbs)	26.2 kg (57.7 lbs)
	Without stand	19.1 kg (42.1 lbs)	23.0 kg (50.7 lbs)

MODELS		55LE7500 (55LE7500-UC)
Dimensions (Width x Height x Depth)	With stand	1306.0 mm x 869.0 mm x 328.0 mm (51.4 inch x 34.2 inch x 12.9 inch)
	Without stand	1306.0 mm x 797.4 mm x 31.2 mm (51.4 inch x 31.3 inch x 1.2 inch)
Weight	With stand	39.1 kg (86.2 lbs)
	Without stand	33.5 kg (73.8 lbs)

MODELS		47LE8500 (47LE8500-UA)	55LE8500 (55LE8500-UA)
Dimensions (Width x Height x Depth)	With stand	1122.6 mm x 769.3 mm x 275.0 mm (44.1 inch x 30.2 inch x 10.8 inch)	1292.6 mm x 875.4 mm x 311.9 mm (50.8 inch x 34.4 inch x 12.2 inch)
	Without stand	1122.6 mm x 707.3 mm x 34.5 mm (44.1 inch x 27.8 inch x 1.3 inch)	1292.6 mm x 802.9 mm x 34.5 mm (50.8 inch x 31.6 inch x 1.3 inch)
Weight	With stand	31.6 kg (69.6 lbs)	43.8 kg (96.5 lbs)
	Without stand	26.9 kg (59.3 lbs)	35.8 kg (78.9 lbs)

Power requirement	AC 120 V ~ 50 / 60 Hz	
Television System	NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage	VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna Impedance	75 Ω	
Environment condition	Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
	Storage Humidity	Less than 85 %

■ The specifications shown above may be changed without prior notice for quality improvement.

